

Appl. No. : 10/718,374
Filed : November 19, 2003

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

A complete set of claims is provided herewith.

Please cancel Claims 14-17 without prejudice.

Please amend Claims 1-11 and 18 as indicated below:

1. (Currently Amended) A repeater for mounting to an electrically powered fluorescent light fixture fixtures used for providing power to common electrical devices, while maintaining functionality of said fixtures, said repeater unit comprising:

a transceiver unit;

a first power supply electrically coupled to said transceiver unit; and

a plug configured to mate with a fluorescent light fixture socket; and

a housing unit for housing the transceiver and first power supply, and for mechanically cooperating with said electrically powered fixture, and

said housing unit mechanically cooperates with said electrically powered fixture, and wherein said first power supply also being electrically coupled to said electric power associated with said electrically powered fixture wherein said plug is provided to said housing unit.

2. (Currently Amended) A The repeater in accordance with Claim 1, wherein said first power supply includes a rechargeable power storage module, said module being recharged by said electrical power when supplied to said electrically powered fixture fluorescent light fixture socket.

3. (Currently Amended) A The repeater in accordance with Claim 1, wherein said first power supply includes a rechargeable power storage cell and a power charger, said power charger recharging said rechargeable power storage cell when electric power is supplied to said electrically powered fixture fluorescent light fixture socket.

4. (Currently Amended) A The repeater in accordance with Claim 1, wherein said housing unit further includes mating structure for providing power to said common electrical devices at least one fluorescent light socket.

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5. (Currently Amended) A The repeater in accordance with Claim 1, wherein said ~~mating structure further~~ housing unit comprises a first mating structure for mechanically installing into said ~~electrically powered~~ fluorescent light fixture.

6. (Currently Amended) A The repeater in accordance with Claim 1, wherein said ~~mating structure~~ housing unit further comprises a ~~second mating structure~~ fluorescent light socket for maintaining said ~~electrically powered~~ fluorescent light fixture functionality.

7. (Currently Amended) A The repeater in accordance with Claim 1, wherein said first power supply is powered-on when said ~~electrically powered~~ fluorescent light fixture is powered-off.

8. (Currently Amended) A The repeater in accordance with Claim 1, wherein said first power supply is powered-off when said ~~electrically powered~~ fluorescent light fixture is powered-on.

9. (Currently Amended) A The repeater in accordance with Claim 1, wherein said first power supply is being recharged when said ~~electrically powered~~ fluorescent light fixture is powered-on.

10. (Currently Amended) A The repeater in accordance with Claim 1, wherein said first power supply is adapted to provide continuous power to said ~~electrically powered fixture transceiver unit~~ even when electrical power is unavailable to the fluorescent light fixtures.

11. (Currently Amended) A The repeater in accordance with Claim 1, wherein said ~~electrically powered~~ fluorescent light fixture is located in an apartment building and a transducer sends a signal to said electrically powered fixture.

12. (Original) A repeater in accordance with Claim 1, wherein said transceiver unit receives a signal from at least one transducer and re-transmits said signal to a base station.

13. (Original) A repeater in accordance with Claim 1, wherein said housing unit is adapted to insert into an exit sign.

14.-17. (Canceled)

18. (Currently Amended) A method for relaying a transducer signal to a base station comprising:

housing a transceiver and first power supply in a housing having ~~mating structure~~ for mounting to a connector configured to connect to a fluorescent light socket in a

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~~fluorescent light fixture existing electrically powered fixtures used for providing power to common electrical devices;~~

~~mechanically connecting the housing unit connector to said existing electrically powered fixture said fluorescent light socket in said fluorescent light fixture; and~~

~~electrically connecting the transceiver and first power supply to a second power supply associated with said existing electrically powered fixture;~~

receiving a signal;

transmitting a signal;

~~when power is available from the second power supply, providing power to said transceiver circuit from said power supply, and for recharging the providing power from said fluorescent light socket in said fluorescent light fixture to recharge said first power supply; and~~

when power is not available from said second power supply fluorescent light socket in said fluorescent light fixture, providing power to said transceiver circuit from said first power supply.